

COPYRIGHT (C) 2002 American Chemical Society (ACS)

DICTIONARY FILE UPDATES: 16 JUL 2002 HIGHEST RN 439075-98-6

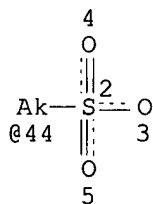
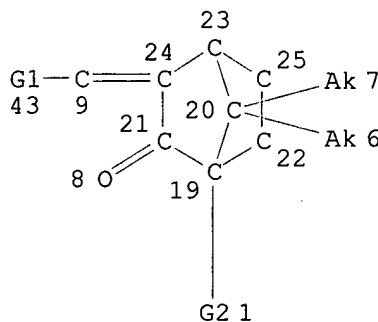
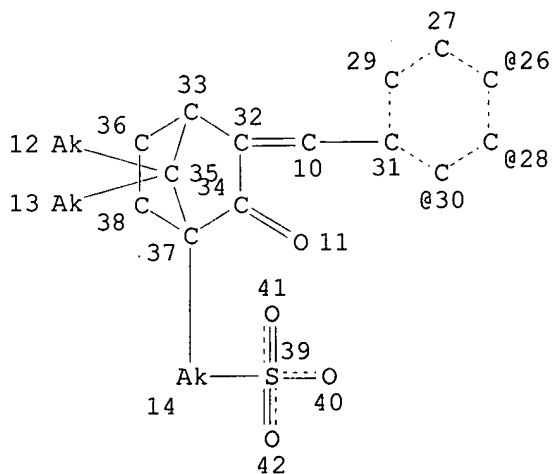
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

```
L6          26 SEA FILE=REGISTRY ABB=ON  PLU=ON  (103597-45-1/BI OR 11129-18-3
/BI OR 118-56-9/BI OR 118-60-5/BI OR 131-57-7/BI OR 1314-13-2/B
I OR 1314-23-4/BI OR 1332-37-2/BI OR 1344-28-1/BI OR 13463-67-7
/BI OR 150-13-0/BI OR 154702-15-5/BI OR 187393-00-6/BI OR
191226-60-5/BI OR 27503-81-7/BI OR 290-87-9/BI OR 36861-47-9/BI
OR 4065-45-6/BI OR 5466-77-3/BI OR 6197-30-4/BI OR 621-82-9/BI
OR 637-12-7/BI OR 68-26-8/BI OR 69-72-7/BI OR 79-10-7/BI OR
88122-99-0/BI)
```

```
L7      1 SEA FILE=REGISTRY ABB=ON  PLU=ON  L6 AND C28H34O8S2
L10     STR
```



```
VAR G1=30/28/26
VAR G2=AK/44
NODE ATTRIBUTES:
```

DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 40

STEREO ATTRIBUTES: NONE

L12 28 SEA FILE=REGISTRY SSS FUL L10
L13 28 SEA FILE=REGISTRY ABB=ON PLU=ON (L7 OR L12)

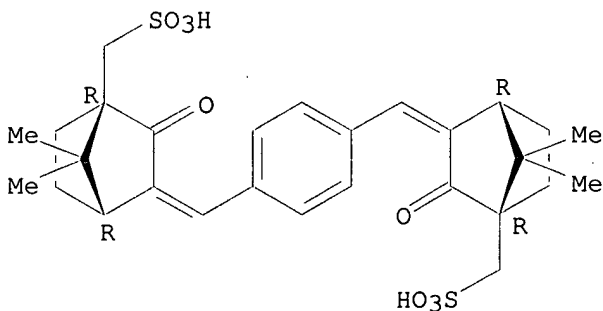
=> d ide can tot l13

L13 ANSWER 1 OF 28 REGISTRY COPYRIGHT 2002 ACS
RN 263276-61-5 REGISTRY
CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-phenylenedimethylidyne)bis[7,7-dimethyl-2-oxo-, (1R,1'R,4R,4'R)-, compd. with 2,2',2''-nitrilotris[ethanol] (1:2) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Ethanol, 2,2',2''-nitrilotris-, (1R,1'R,4R,4'R)-3,3'-(1,4-phenylenedimethylidyne)bis[7,7-dimethyl-2-oxobicyclo[2.2.1]heptane-1-methanesulfonate] (2:1) (salt) (9CI)
FS STEREOSEARCH
MF C28 H34 O8 S2 . 2 C6 H15 N O3
SR CA
LC STN Files: CA, CAPLUS

CM 1

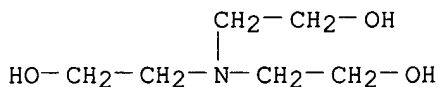
CRN 263276-56-8
CMF C28 H34 O8 S2

Absolute stereochemistry.
Double bond geometry unknown.



CM 2

CRN 102-71-6
CMF C6 H15 N O3



2 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 132:269846

REFERENCE 2: 132:269845

L13 ANSWER 2 OF 28 REGISTRY COPYRIGHT 2002 ACS

RN 263276-59-1 REGISTRY

CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-phenylenedimethyldiylidene)bis[7,7-dimethyl-2-oxo-, dipotassium salt, (1R,1'R,4R,4'R)-(9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C28 H34 O8 S2 . 2 K

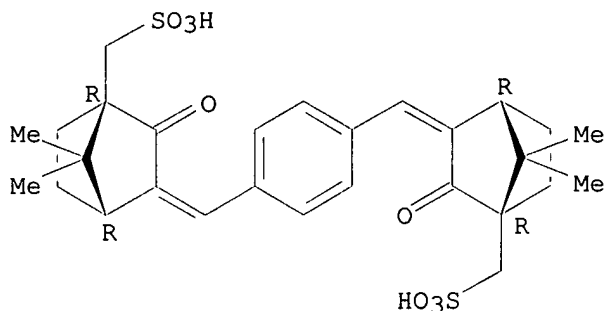
SR CA

LC STN Files: CA, CAPLUS

CRN (263276-56-8)

Absolute stereochemistry.

Double bond geometry unknown.



● 2 K

2 REFERENCES IN FILE CA (1967 TO DATE)

2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 132:269846

REFERENCE 2: 132:269845

L13 ANSWER 3 OF 28 REGISTRY COPYRIGHT 2002 ACS

RN 263276-57-9 REGISTRY

CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-phenylenedimethyldiylidene)bis[7,7-dimethyl-2-oxo-, disodium salt, (1R,1'R,4R,4'R)-(9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C28 H34 O8 S2 . 2 Na

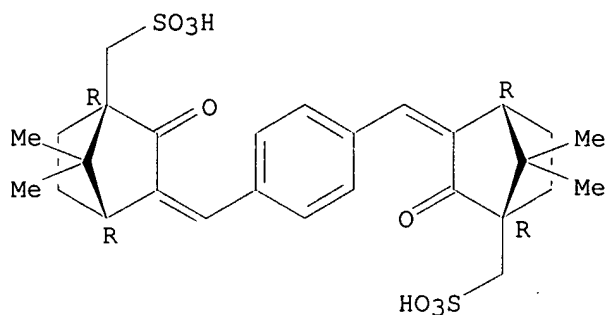
SR CA

LC STN Files: CA, CAPLUS

CRN (263276-56-8)

Absolute stereochemistry.

Double bond geometry unknown.



● 2 Na

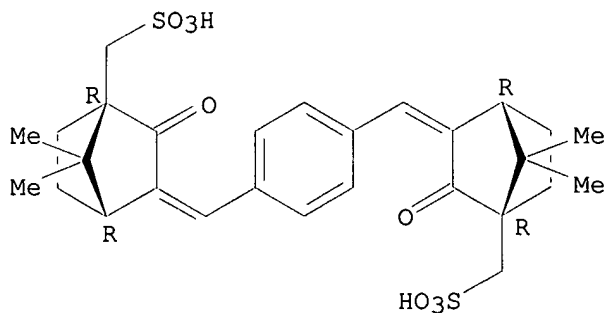
2 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 132:269846

REFERENCE 2: 132:269845

L13 ANSWER 4 OF 28 REGISTRY COPYRIGHT 2002 ACS
RN 263276-56-8 REGISTRY
CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-phenylenedimethyldiene)bis[7,7-dimethyl-2-oxo-, (1R,1'R,4R,4'R)- (9CI)
(CA INDEX NAME)
FS STEREOSEARCH
MF C28 H34 O8 S2
CI COM
SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry.
Double bond geometry unknown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
3 REFERENCES IN FILE CAPLUS (1967 TO DATE)

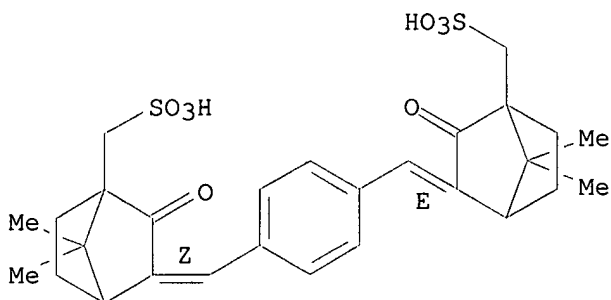
REFERENCE 1: 137:37399

REFERENCE 2: 132:269846

REFERENCE 3: 132:269845

L13 ANSWER 5 OF 28 REGISTRY COPYRIGHT 2002 ACS
RN 249929-95-1 REGISTRY
CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-phenylenedimethylidyne)bis[7,7-dimethyl-2-oxo-, (3E,3'Z)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C28 H34 O8 S2
SR CA
LC STN Files: CA, CAPLUS

Double bond geometry as shown.



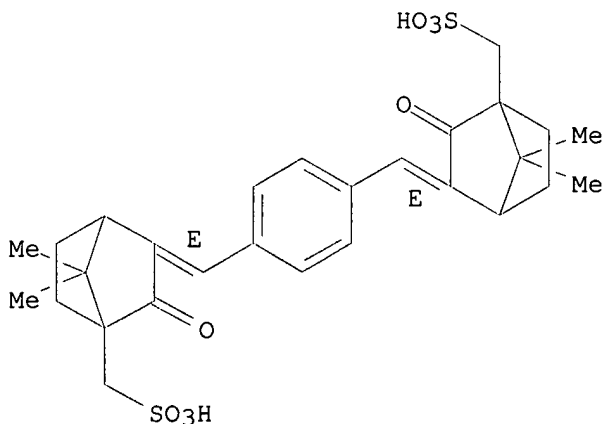
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 131:341724

L13 ANSWER 6 OF 28 REGISTRY COPYRIGHT 2002 ACS
RN 249929-94-0 REGISTRY
CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-phenylenedimethylidyne)bis[7,7-dimethyl-2-oxo-, (3E,3'E)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C28 H34 O8 S2
SR CA
LC STN Files: CA, CAPLUS

Double bond geometry as described by E or Z.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 131:341724

L13 ANSWER 7 OF 28 REGISTRY COPYRIGHT 2002 ACS

RN 226952-46-1 REGISTRY

CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-phenylenedimethylidyne)bis[7,7-dimethyl-2-oxo-, (1S,1'S,3Z,3'Z,4S,4'S)-, compd. with 2,2',2''-nitrilotris[ethanol] (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Ethanol, 2,2',2''-nitrilotris-, (1S,1'S,3Z,3'Z,4S,4'S)-3,3'-(1,4-phenylenedimethylidyne)bis[7,7-dimethyl-2-oxobicyclo[2.2.1]heptane-1-methanesulfonate] (salt) (9CI)

FS STEREOSEARCH

MF C28 H34 O8 S2 . x C6 H15 N O3

SR CA

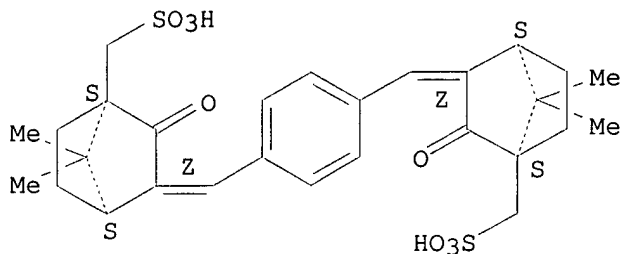
LC STN Files: CA, CAPLUS

CM 1

CRN 226952-41-6

CMF C28 H34 O8 S2

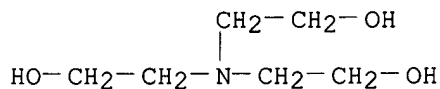
Absolute stereochemistry.
Double bond geometry as shown.



CM 2

CRN 102-71-6

CMF C6 H15 N O3



4 REFERENCES IN FILE CA (1967 TO DATE)
4 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 131:49223

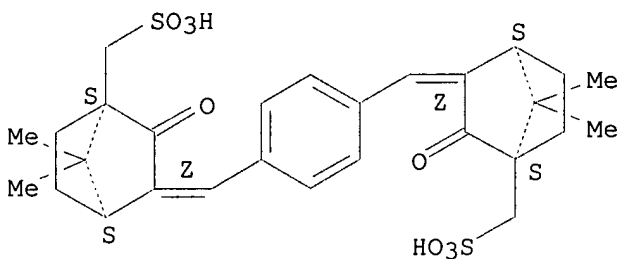
REFERENCE 2: 131:49218

REFERENCE 3: 131:49217

REFERENCE 4: 131:35659

L13 ANSWER 8 OF 28 REGISTRY COPYRIGHT 2002 ACS
 RN 226952-45-0 REGISTRY
 CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-phenylenedimethylidyne)bis[7,7-dimethyl-2-oxo-, potassium salt, (1S,1'S,3Z,3'Z,4S,4'S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C28 H34 O8 S2 . x K
 SR CA
 LC STN Files: CA, CAPLUS
 CRN (226952-41-6)

Absolute stereochemistry.
 Double bond geometry as shown.



● x K

4 REFERENCES IN FILE CA (1967 TO DATE)
 4 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 131:49223

REFERENCE 2: 131:49218

REFERENCE 3: 131:49217

REFERENCE 4: 131:35659

L13 ANSWER 9 OF 28 REGISTRY COPYRIGHT 2002 ACS
 RN 226952-43-8 REGISTRY
 CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-phenylenedimethylidyne)bis[7,7-dimethyl-2-oxo-, sodium salt, (1S,1'S,3Z,3'Z,4S,4'S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C28 H34 O8 S2 . x Na
 SR CA
 LC STN Files: CA, CAPLUS
 CRN (226952-41-6)

Absolute stereochemistry.
 Double bond geometry as shown.

REFERENCE 4: 131:35659

L13 ANSWER 11 OF 28 REGISTRY COPYRIGHT 2002 ACS

RN 214349-95-8 REGISTRY

CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-phenylenedimethylidyne)bis[7,7-dimethyl-2-oxo-, compd. with 2,2',2''-nitrilotris[ethanol] (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Ethanol, 2,2',2''-nitrilotris-, 3,3'-(1,4-phenylenedimethylidyne)bis[7,7-dimethyl-2-oxobicyclo[2.2.1]heptane-1-methanesulfonate] (salt) (9CI)

MF C28 H34 O8 S2 . x C6 H15 N O3

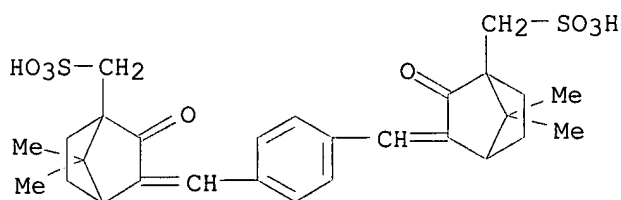
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 92761-26-7

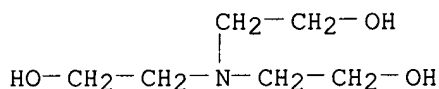
CMF C28 H34 O8 S2



CM 2

CRN 102-71-6

CMF C6 H15 N O3



3 REFERENCES IN FILE CA (1967 TO DATE)

3 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 134:76127

REFERENCE 2: 129:306317

REFERENCE 3: 129:306311

L13 ANSWER 12 OF 28 REGISTRY COPYRIGHT 2002 ACS

RN 214349-94-7 REGISTRY

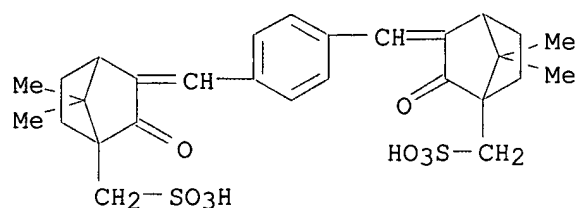
CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-phenylenedimethylidyne)bis[7,7-dimethyl-2-oxo-, potassium salt (9CI) (CA INDEX NAME)

MF C28 H34 O8 S2 . x K

SR CA

LC STN Files: CA, CAPLUS

CRN (92761-26-7)



●x K

3 REFERENCES IN FILE CA (1967 TO DATE)
3 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 134:76127

REFERENCE 2: 129:306317

REFERENCE 3: 129:306311

L13 ANSWER 13 OF 28 REGISTRY COPYRIGHT 2002 ACS

RN **191226-60-5** REGISTRY

CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-phenylenedimethyldiyne)bis[7,7-dimethyl-2-oxo-, (1S,1'S,4S,4'S)- (9CI)
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-phenylenedimethyldiyne)bis[7,7-dimethyl-2-oxo-, [1S-[1.alpha.,3(1R*,4R*),4.alpha.]]-

FS STEREOSEARCH

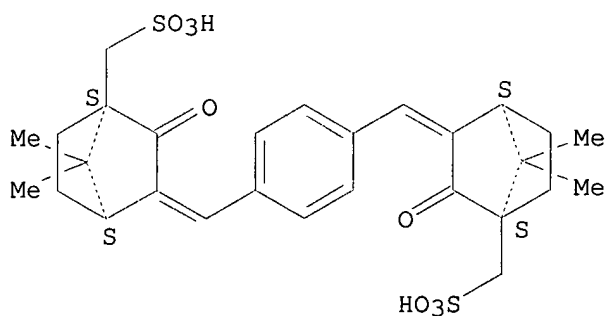
MF **C28 H34 O8 S2**

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

Double bond geometry unknown.



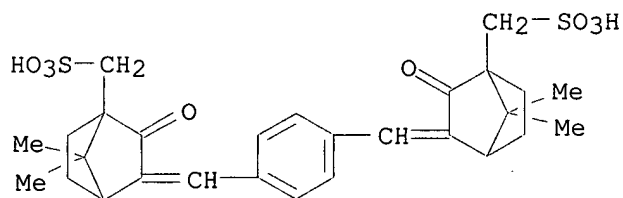
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

16 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
16 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:390756

REFERENCE 2: 136:330313
 REFERENCE 3: 133:325478
 REFERENCE 4: 133:325477
 REFERENCE 5: 133:325474
 REFERENCE 6: 133:300926
 REFERENCE 7: 133:300910
 REFERENCE 8: 133:168183
 REFERENCE 9: 133:22162
 REFERENCE 10: 132:97871

L13 ANSWER 14 OF 28 REGISTRY COPYRIGHT 2002 ACS
 RN 146805-35-8 REGISTRY
 CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-phenylenedimethylidyne)bis[7,7-dimethyl-2-oxo-, aluminum salt (9CI) (CA INDEX NAME)
 MF C28 H34 O8 S2 . x Al
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL
 CRN (92761-26-7)

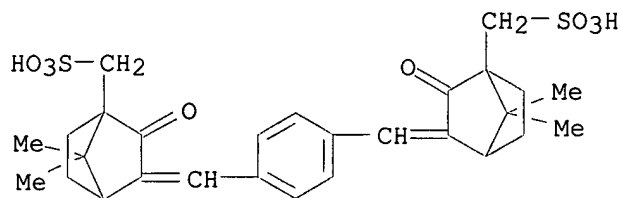


●x Al

1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 118:175515

L13 ANSWER 15 OF 28 REGISTRY COPYRIGHT 2002 ACS
 RN 130132-40-0 REGISTRY
 CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-phenylenedimethylidyne)bis[7,7-dimethyl-2-oxo-, zirconium(4+) salt (2:1) (9CI) (CA INDEX NAME)
 MF C28 H34 O8 S2 . 1/2 Zr
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL
 CRN (92761-26-7)

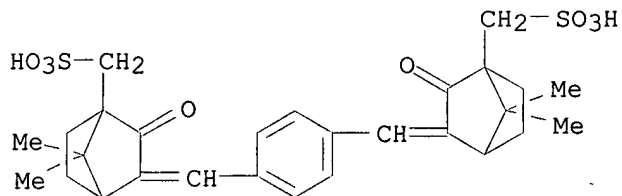


● 1/2 Zr(IV)

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 113:190910

L13 ANSWER 16 OF 28 REGISTRY COPYRIGHT 2002 ACS
RN 130132-39-7 REGISTRY
CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-phenylenedimethyldiene)bis[7,7-dimethyl-2-oxo-, aluminum salt (3:2) (9CI) (CA INDEX NAME)
MF C28 H34 O8 S2 . 2/3 Al
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
CRN (92761-26-7)

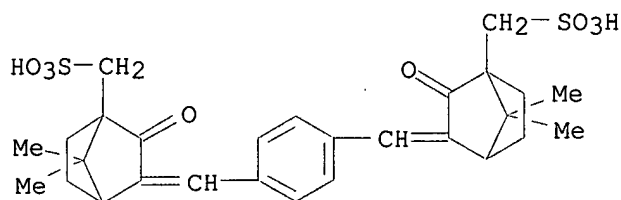


● 2/3 Al

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 113:190910

L13 ANSWER 17 OF 28 REGISTRY COPYRIGHT 2002 ACS
RN 130132-38-6 REGISTRY
CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-phenylenedimethyldiene)bis[7,7-dimethyl-2-oxo-, zinc salt (1:1) (9CI) (CA INDEX NAME)
DR 146728-67-8
MF C28 H34 O8 S2 . Zn
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
CRN (92761-26-7)

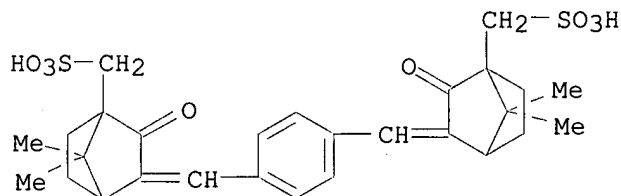


● Zn

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 113:190910

L13 ANSWER 18 OF 28 REGISTRY COPYRIGHT 2002 ACS
RN 130132-37-5 REGISTRY
CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-phenylenedimethyldiene)bis[7,7-dimethyl-2-oxo-, magnesium salt (1:1) (9CI)
(CA INDEX NAME)
MF C28 H34 O8 S2 . Mg
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
CRN (92761-26-7)

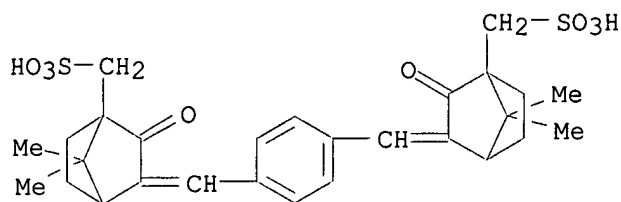


● Mg

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 113:190910

L13 ANSWER 19 OF 28 REGISTRY COPYRIGHT 2002 ACS
RN 129824-09-5 REGISTRY
CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-phenylenedimethyldiene)bis[7,7-dimethyl-2-oxo-, calcium salt (1:1) (9CI)
(CA INDEX NAME)
MF C28 H34 O8 S2 . Ca
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
CRN (92761-26-7)

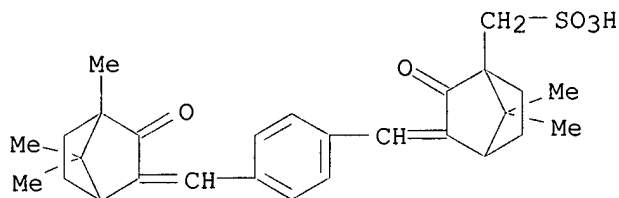


● Ca

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 113:190910

L13 ANSWER 20 OF 28 REGISTRY COPYRIGHT 2002 ACS
RN 129824-08-4 REGISTRY
CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 7,7-dimethyl-2-oxo-3-[[4-
[(4,7,7-trimethyl-3-oxobicyclo[2.2.1]hept-2-ylidene)methyl]phenyl]methylen
e]-, calcium salt (9CI) (CA INDEX NAME)
MF C28 H34 O5 S . 1/2 Ca
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
CRN (89666-56-8)

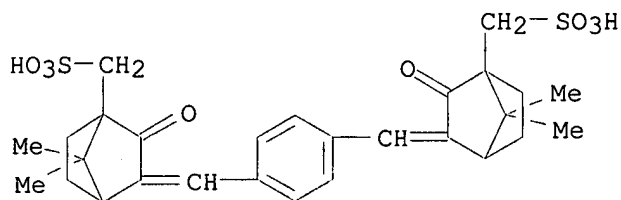


● 1/2 Ca

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 113:190910

L13 ANSWER 21 OF 28 REGISTRY COPYRIGHT 2002 ACS
RN 119542-33-5 REGISTRY
CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-
phenylenedimethylydyne)bis[7,7-dimethyl-2-oxo-, sodium salt (9CI) (CA
INDEX NAME)
MF C28 H34 O8 S2 . x Na
SR CA
LC STN Files: CA, CAPLUS
CRN (92761-26-7)



●x Na

4 REFERENCES IN FILE CA (1967 TO DATE)
4 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 134:76127
REFERENCE 2: 129:306317
REFERENCE 3: 129:306311
REFERENCE 4: 110:120984

L13 ANSWER 22 OF 28 REGISTRY COPYRIGHT 2002 ACS

RN 92841-53-7 REGISTRY

CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-phenylenedimethylidyne)bis[7,7-dimethyl-2-oxo-, compd. with 2,2',2''-nitrilotris[ethanol] (1:2) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Ethanol, 2,2',2''-nitrilotris-, 3,3'-(1,4-phenylenedimethylidyne)bis[7,7-dimethyl-2-oxobicyclo[2.2.1]heptane-1-methanesulfonate] (2:1) (salt) (9CI)

DR 90458-76-7

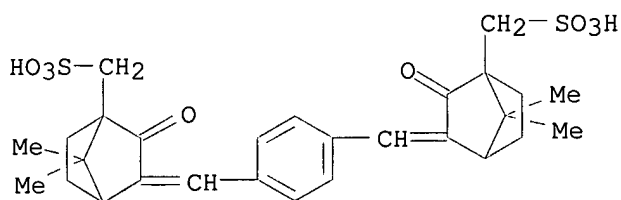
MF C28 H34 O8 S2 . 2 C6 H15 N O3

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

CM 1

CRN 92761-26-7

CMF C28 H34 O8 S2



CM 2

CRN 102-71-6

CMF C6 H15 N O3

REFERENCE 9: 136:406604

REFERENCE 10: 136:390758

L13 ANSWER 24 OF 28 REGISTRY COPYRIGHT 2002 ACS

RN 90458-75-6 REGISTRY

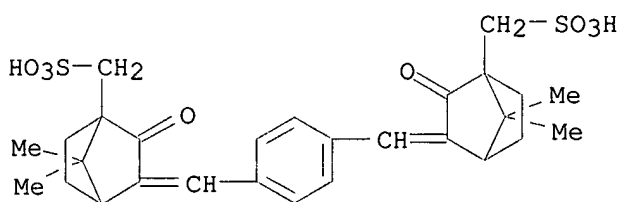
CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 3,3'-(1,4-phenylenedimethyldiene)bis[7,7-dimethyl-2-oxo-, disodium salt (9CI) (CA INDEX NAME)

DR 89708-84-9

MF C28 H34 O8 S2 . 2 Na

LC STN Files: CA, CAPLUS, USPATFULL

CRN (92761-26-7)



● 2 Na

2 REFERENCES IN FILE CA (1967 TO DATE)

2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 125:67194

REFERENCE 2: 101:7476

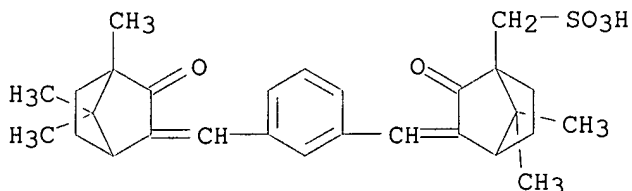
L13 ANSWER 25 OF 28 REGISTRY COPYRIGHT 2002 ACS

RN 90394-51-7 REGISTRY

CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 7,7-dimethyl-2-oxo-3-[[3-[(4,7,7-trimethyl-3-oxobicyclo[2.2.1]hept-2-ylidene)methyl]phenyl]methylene]- (9CI) (CA INDEX NAME)

MF C28 H34 O5 S

LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 101:7476

L13 ANSWER 26 OF 28 REGISTRY COPYRIGHT 2002 ACS

RN 90394-37-9 REGISTRY

CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 7,7-dimethyl-2-oxo-3-[[4-
 [(4,7,7-trimethyl-3-oxobicyclo[2.2.1]hept-2-ylidene)methyl]phenyl]methylen
 e]-, compd. with 2,2',2''-nitrilotris[ethanol] (1:1) (9CI) (CA INDEX
 NAME)

OTHER CA INDEX NAMES:

CN Ethanol, 2,2',2''-nitrilotris-, 7,7-dimethyl-2-oxo-3-[[4-[(4,7,7-trimethyl-
 3-oxobicyclo[2.2.1]hept-2-ylidene)methyl]phenyl]methylene]bicyclo[2.2.1]he
 ptane-1-methanesulfonate (salt) (9CI)

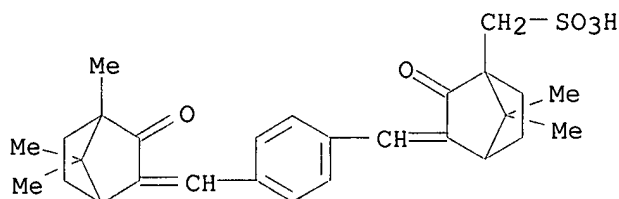
MF C28 H34 O5 S . C6 H15 N O3

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

CM 1

CRN 89666-56-8

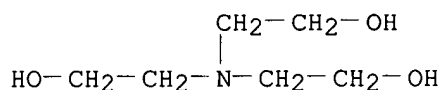
CMF C28 H34 O5 S



CM 2

CRN 102-71-6

CMF C6 H15 N O3



3 REFERENCES IN FILE CA (1967 TO DATE)

3 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 105:18470

REFERENCE 2: 101:216224

REFERENCE 3: 101:7476

L13 ANSWER 27 OF 28 REGISTRY COPYRIGHT 2002 ACS

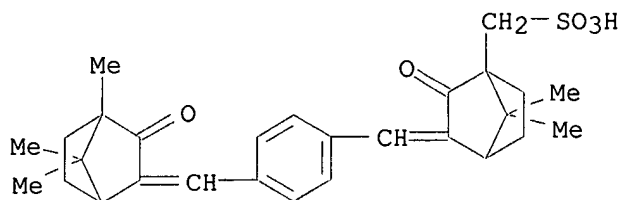
RN 89666-57-9 REGISTRY

CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 7,7-dimethyl-2-oxo-3-[[4-
 [(4,7,7-trimethyl-3-oxobicyclo[2.2.1]hept-2-ylidene)methyl]phenyl]methylen
 e]-, sodium salt (9CI) (CA INDEX NAME)

MF C28 H34 O5 S . Na

LC STN Files: CA, CAPLUS, USPATFULL

CRN (89666-56-8)

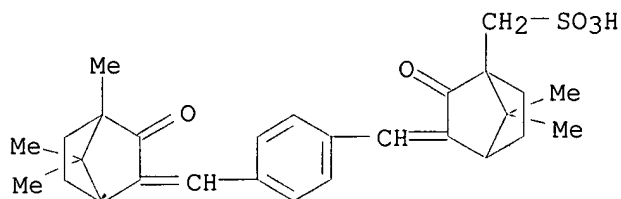


● Na

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 100:175089

L13 ANSWER 28 OF 28 REGISTRY COPYRIGHT 2002 ACS
RN 89666-56-8 REGISTRY
CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 7,7-dimethyl-2-oxo-3-[[4-
[(4,7,7-trimethyl-3-oxobicyclo[2.2.1]hept-2-ylidene)methyl]phenyl]methylen
e]- (9CI) (CA INDEX NAME)
MF C28 H34 O5 S
CI COM
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1967 TO DATE)
6 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 105:18470

REFERENCE 2: 103:166158

REFERENCE 3: 101:216224

REFERENCE 4: 101:197952

REFERENCE 5: 101:7476

REFERENCE 6: 100:175089

=> d ide can 124

L24 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
RN 154702-15-5 REGISTRY
CN Benzoic acid, 4,4'-[[6-[[4-[[[(1,1-dimethylethyl)amino]carbonyl]phenyl]amin

o]-1,3,5-triazine-2,4-diyl]diimino]bis-, bis(2-ethylhexyl) ester (9CI)
(CA INDEX NAME)

OTHER NAMES:

CN Dioctylbutamidotriazone

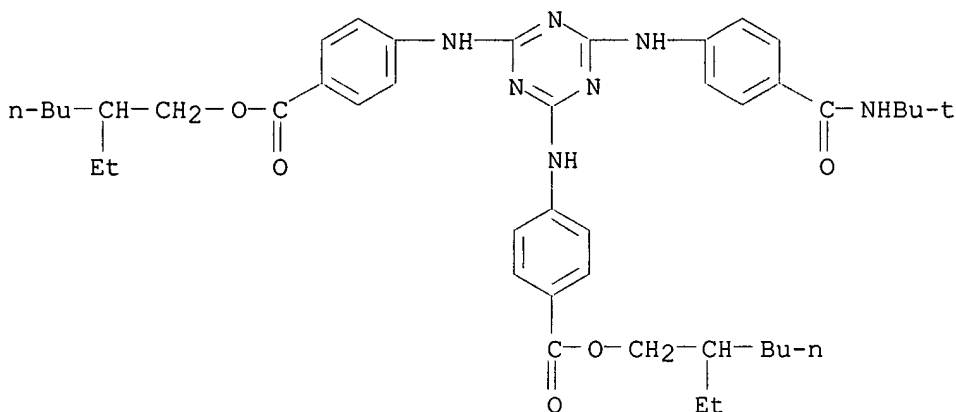
CN Uvasorb HEB

FS 3D CONCORD

MF **C44 H59 N7 O5**

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

74 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

77 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 137:37396
REFERENCE 2: 137:37395
REFERENCE 3: 137:37394
REFERENCE 4: 137:24151
REFERENCE 5: 137:24104
REFERENCE 6: 137:24103
REFERENCE 7: 137:10727
REFERENCE 8: 136:406604
REFERENCE 9: 136:390758
REFERENCE 10: 136:390757

=> d ide can 125 tot

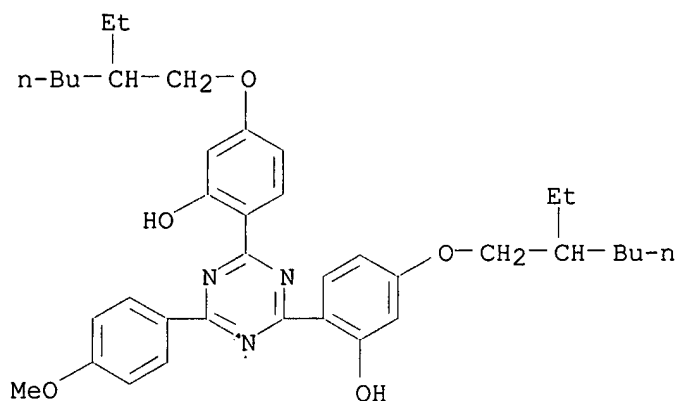
L25 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2002 ACS

RN **187393-00-6** REGISTRY

CN Phenol, 2,2'-[6-(4-methoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-[(2-ethylhexyl)oxy]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN BEMT
 CN CGF 1607
 CN Tinosorb S
 FS 3D CONCORD
 DR 263175-34-4
 MF C38 H49 N3 O5
 SR CA
 LC STN Files: BIOSIS, CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

72 REFERENCES IN FILE CA (1967 TO DATE)
 72 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 137:37399
 REFERENCE 2: 137:24151
 REFERENCE 3: 137:24104
 REFERENCE 4: 137:24103
 REFERENCE 5: 137:16827
 REFERENCE 6: 137:16826
 REFERENCE 7: 137:16825
 REFERENCE 8: 137:10727
 REFERENCE 9: 137:10695
 REFERENCE 10: 137:1952

L25 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2002 ACS

RN 88122-99-0 REGISTRY

CN Benzoic acid, 4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tris-,
 tris(2-ethylhexyl) ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 2,4,6-Trianilino(p-carbo-2-ethylhexyl-1-oxy)-1,3,5-triazine

CN 2,4,6-Trianilino-(p-carbo-2-ethylhexyloxy)-1,3,5-triazine

CN Octyl triazone

CN Uvinul T 150

FS 3D CONCORD

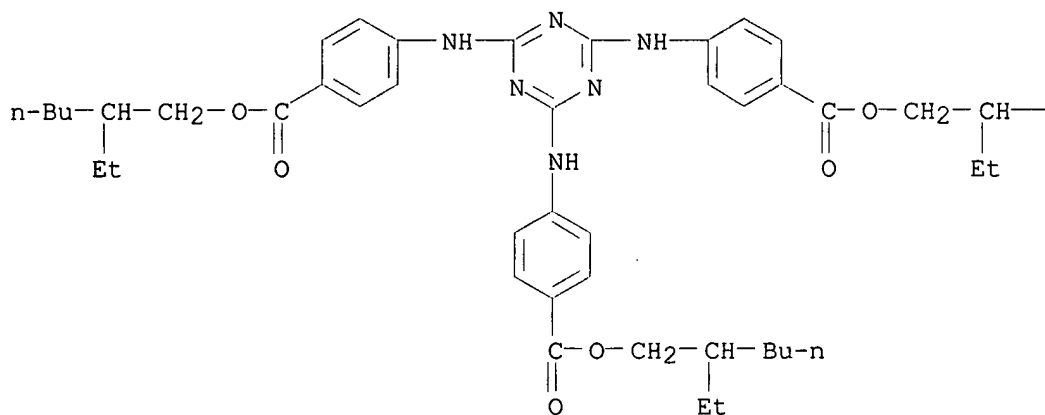
DR 116244-12-3

MF C48 H66 N6 O6

CI COM

LC STN Files: BIOBUSINESS, BIOSIS, CA, CAPLUS, CHEMLIST, CIN, DDFU, DRUGU,
IPA, MEDLINE, SPECINFO, TOXCENTER, USPAT2, USPATFULL

PAGE 1-A



PAGE 1-B

— Bu-n

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

210 REFERENCES IN FILE CA (1967 TO DATE)

2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

214 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 137:37396
REFERENCE 2: 137:37395
REFERENCE 3: 137:24151
REFERENCE 4: 137:24104
REFERENCE 5: 137:16827
REFERENCE 6: 137:16825
REFERENCE 7: 136:406604
REFERENCE 8: 136:390758
REFERENCE 9: 136:390757
REFERENCE 10: 136:390738

=> d his

(FILE 'HOME' ENTERED AT 17:21:22 ON 17 JUL 2002)
SET COST OFF

FILE 'HCAPLUS' ENTERED AT 17:21:30 ON 17 JUL 2002

E MARTIN G/AU
L1 1871 S E3-E42
E MARTIN GUENAELE/AU
L2 2 S E3
E TOUZAN P/AU
L3 14 S E4
E FR2000-13284/AP, PRN
E FR2000-13285/AP, PRN
L4 1 S E3, E4
L5 1 S L1-L3 AND L4
SEL RN

FILE 'REGISTRY' ENTERED AT 17:22:40 ON 17 JUL 2002

L6 26 S E1-E26
L7 1 S L6 AND C28H34O8S2
L8 STR
L9 7 S L8
L10 STR
L11 6 S L10
L12 28 S L10 FUL
SAV L12 BERMAN978/A
L13 28 S L7, L12
DEL BERMAN?/A
SAV TEMP L13 BERMAN978/A

FILE 'HCAOLD' ENTERED AT 17:30:57 ON 17 JUL 2002

L14 0 S L13

FILE 'USPATFULL, USPAT2' ENTERED AT 17:31:01 ON 17 JUL 2002

L15 52 S L13
L16 48 S L15 AND A61K/IC, ICM, ICS
L17 43 S L15 AND (SUNSCREEN? OR SUNTAN? OR SUNBURN?)
L18 41 S L15 AND (SUNSCREEN? OR SUNTAN? OR SUNBURN?)/CT
L19 52 S L16-L18

FILE 'REGISTRY' ENTERED AT 17:32:05 ON 17 JUL 2002

L20 4 S L6 AND NCNCNC/ES
L21 3 S L20 NOT C3H3N3
L22 STR
L23 0 S L22
L24 1 S L21 AND C44H59N7O5
L25 2 S L21 NOT L24

FILE 'USPATFULL, USPAT2' ENTERED AT 17:37:51 ON 17 JUL 2002

L26 12 S L24
L27 62 S L25
L28 2 S L19 AND L26
L29 10 S L19 AND L27
L30 2 S L28 AND L29

FILE 'REGISTRY' ENTERED AT 17:38:34 ON 17 JUL 2002

L31 22 S L6 NOT L13, L21
L32 1 S L31 AND RETINOL
L33 1 S L31 AND VITAMIN A
L34 1 S L32, L33

FILE 'HCAPLUS' ENTERED AT 17:41:04 ON 17 JUL 2002

FILE 'USPATFULL, USPAT2' ENTERED AT 17:41:14 ON 17 JUL 2002

L35 3 S L34 AND L19
L36 10 S (RETINOL OR VITAMIN A) AND L19
L37 1 S L35,L36 AND L30
L38 2 S L30,L37

FILE 'HCAPLUS' ENTERED AT 17:42:54 ON 17 JUL 2002

L39 142 S L13
L40 27 S L39 AND L24
L41 54 S L39 AND L25
L42 5 S L40,L41 AND (L34 OR RETINOL OR VITAMIN A)

FILE 'REGISTRY' ENTERED AT 17:50:08 ON 17 JUL 2002

L43 5 S 69-72-7 OR 621-82-9 OR 79-10-7 OR 27503-81-7 OR 290-87-9
L44 5 S 118-56-9 OR 118-60-5 OR 5466-77-3 OR 27503-81-7 OR 131-57-7
L45 7 S 13463-67-7 OR 1332-37-2 OR 1344-28-1 OR 1314-13-2 OR 1314-23-
L46 6 S L6 NOT L13,L21,L43-L45
L47 5 S L46 NOT L34
L48 21 S L43,L44,L45,L47

FILE 'HCAPLUS' ENTERED AT 17:55:40 ON 17 JUL 2002

L49 398214 S L48
L50 27 S L49 AND L40
L52 5 S L50,L*** AND L42
L53 3 S L52 AND ?EMULS?
L54 2 S L52 NOT L53
L55 5 S L53,L54
L56 3 S L1-L3 AND L39
L57 6 S L55,L56
L58 6 S L57 AND L1-L5,L39-L42,L49-L57
L59 4 S L58 AND (SUNSCREEN? OR SUNBURN? OR SUNTAN?)
L60 4 S L58 AND (UV# OR ULTRAVIOLET?)
L61 29 S L59,L50
L62 5 S L59,L60
L63 1 S L57,L58 NOT L62

FILE 'USPATFULL, USPAT2' ENTERED AT 17:59:07 ON 17 JUL 2002

L64 39 S L48 AND L19
L65 10 S L64 AND L36
L66 1 S L65 AND L30
L67 2 S L30,L66

FILE 'REGISTRY' ENTERED AT 18:00:04 ON 17 JUL 2002

=> fil uspatall

FILE 'USPATFULL' ENTERED AT 18:00:51 ON 17 JUL 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 18:00:51 ON 17 JUL 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

=> d 167 bib abs hitrn tot

L67 ANSWER 1 OF 2 USPATFULL
AN 2002:156678 USPATFULL
TI Composition containing a retinoid and a benzotriazole silicone
IN Martin, Guenaelle, Paris, FRANCE
Touzan, Philippe, Paris, FRANCE
PA L'OREAL, Paris, FRANCE, 75008 (non-U.S. corporation)
PI US 2002081271 A1 20020627
AI US 2001-984492 A1 20011030 (9)
PRAI FR 2000-13938 20001030
DT Utility
FS APPLICATION

LREP OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC, FOURTH FLOOR, 1755
JEFFERSON DAVIS HIGHWAY, ARLINGTON, VA, 22202

CLMN Number of Claims: 18

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 515

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a composition containing a retinoid, in particular **retinol**, and a specific benzotriazole silicone.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 69-72-7D, Salicylic acid, derivs. 118-56-9; Homomenthyl
salicylate 118-60-5, Octyl salicylate 131-57-7,
Benzophenone 3 150-13-0D, derivs. 290-87-9D,
1,3,5-Triazine, derivs. 621-82-9D, Cinnamic acid, derivs.
637-12-7, Aluminum stearate 1314-13-2, Zinc oxide,
biological studies 1314-23-4, Zirconium oxide, biological
studies 1332-37-2, Iron oxide, biological studies
4065-45-6 5466-77-3 6197-30-4
11129-18-3, Cerium oxide 13463-67-7, Titanium oxide,
biological studies 27503-81-7, 2-Phenylbenzimidazole-5-sulfonic
acid 27503-81-7D, 2-Phenylbenzimidazole-5 sulfonic acid,
derivs. 36861-47-9 36861-47-9D, derivs.
88122-99-0 92761-26-7D, alkali metal salts
103597-45-1 154702-15-5 187393-00-6
(cosmetic compn. contg. retinoid and silicone benzotriazole)

L67 ANSWER 2 OF 2 USPATFULL

AN 2002:152187 USPATFULL

TI UV-photoprotecting emulsions comprising micronized insoluble screening
agents and associative polymers

IN Candau, Didier, Bievres, FRANCE

Forestier, Serge, Claye Souilly, FRANCE

Pisson, Anne-Marie, Boussy St Antoine, FRANCE

PA Societe L'Oreal, Paris, FRANCE (non-U.S. corporation)

PI US 6409998 B1 20020625

AI US 2000-693889 20001023 (9)

PRAI FR 1999-13220 19991022

DT Utility

FS GRANTED

EXNAM Primary Examiner: Dodson, Shelley A.

LREP Burns, Doane, Swecker & Mathis, L.L.P.

CLMN Number of Claims: 81

ECL Exemplary Claim: 1

DRWN 0 Drawing Figure(s); 0 Drawing Page(s)

LN.CNT 1408

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Topically applicable, water-resistant cosmetic/dermatological emulsions
well suited for the UV-photoprotection of human skin and/or hair contain
an effective UV-photoprotecting amount of at least one micronized
organic UV-screening agent insoluble therein, the mean particle size of
such micronized particles ranging from 0.01 to 2 .mu.m, and further
containing at least one associative polymer which is characteristically
other than a C.sub.8-C.sub.16 alkyl polyglucoside.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 88122-99-0 92761-26-7, Mexoryl sx 154702-15-5
(emulsions contg. one or more insol. org. UV-filter and associative
polymer)

=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 18:01:35 ON 17 JUL 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 17 Jul 2002 VOL 137 ISS 3
FILE LAST UPDATED: 16 Jul 2002 (20020716/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> d bib abs hitrn retable tot 162

L62 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2002 ACS

AN 2002:446073 HCAPLUS

DN 137:24151

TI Water-soluble and film-forming polymers for strengthening light protection factors of cosmetic or dermatological formulations

IN Knueppel, Anja; Grundt, Wiebke; Schulz, Jens

PA Beiersdorf Ag, Germany

SO Eur. Pat. Appl., 20 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	EP 1213010	A2	20020612	EP 2001-129092	20011207
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	DE 10061360	A1	20020613	DE 2000-10061360	20001209
PRAI	DE 2000-10061360	A	20001209		
AB	Water-sol. and film-forming polymer compns. for strengthening light protection factors contain at least 1 UV filter such as a dibenzoylmethane deriv. Thus, a sunscreen spray contained glycerin monostearate SE 0.50, Ceteareth-30 5.00, cetyl alc. 2.50, dioctylbutamidotriazone 1.00, ethylhexyltriazone 4.00, phenylbenzimidaozlesulfonic acid 0.50, butylene glycol dicaprylate/caprate 5.00, phenyltrimethicone 2.00, PVP-hexadecene copolymer 0.50, glycerin 3.00, vitamin A acetate 0.50, polyurethane 0.20, DMDM hydantoin 0.60, phenoxyethanol 0.50, EtOH 3.00, and water to 100%.				
IT	79-10-7D, Acrylic acid, C10-30 alkyl esters, polymers				
	RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)				
	(crosslinked; water-sol. and film-forming polymers for strengthening light protection factors of cosmetic or dermatol. formulations)				
IT	88122-99-0, Octyl triazone 92761-26-7				
	103597-45-1, Tinosorb M 154702-15-5, Dioctyl				
	butamidotriazone 187393-00-6				

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(water-sol. and film-forming polymers for strengthening light
protection factors of cosmetic or dermatol. formulations)

L62 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2002 ACS
AN 2002:330194 HCAPLUS
DN 136:345488
TI Cosmetic composition containing a retinoid and a silicone benzotriazole
IN **Martin, Guenaelle; Touzan, Philippe**
PA L'oreal, Fr.
SO Eur. Pat. Appl., 17 pp.
CODEN: EPXXDW
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1201228	A1	20020502	EP 2001-402554	20011003
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	FR 2815857	A1	20020503	FR 2000-13938	20001030
	CN 1350839	A	20020529	CN 2001-137563	20011029
	JP 2002179545	A2	20020626	JP 2001-331598	20011029
	US 2002081271	A1	20020627	US 2001-984492	20011030
PRAI	FR 2000-13938	A	20001030		
AB	Cosmetic comps. contg. a retinoid, e.g. retinol , and a silicone benzotriazole are used for treatment or prevention of intrinsic or photo-induced skin aging. The silicone benzotriazole in the compn. can filter the UV without degrading the retinoids. A cosmetic compn. contained PEG-100 stearate and glyceryl stearate 2.1, Polysorbate-60 0.9, cetyl alc. 2.6, hydrogenated polyisobutene 12, hexyldecanol 8, BHT 0.1, preservatives 0.70, a silicone benzotriazole 3, glycerin 3, pentasodium ethylenediamine tetramethylene phosphonic acid 0.07, xanthan gum 0.1, carbomer 0.4, triethanolamine 0.38, and water q.s. 100%.				
IT	68-26-8, Retinol 68-26-8D, Retinol, esters 69-72-7D, Salicylic acid, derivs. 118-56-9, Homomenthyl salicylate 118-60-5, Octyl salicylate 131-57-7, Benzophenone 3 150-13-0D, derivs. 290-87-9D, 1,3,5-Triazine, derivs. 621-82-9D, Cinnamic acid, derivs. 637-12-7, Aluminum stearate 1314-13-2, Zinc oxide, biological studies 1314-23-4, Zirconium oxide, biological studies 1332-37-2, Iron oxide, biological studies 4065-45-6 5466-77-3 6197-30-4 11129-18-3, Cerium oxide 13463-67-7, Titanium oxide, biological studies 27503-81-7, 2-Phenylbenzimidazole-5-sulfonic acid 27503-81-7D, 2-Phenylbenzimidazole-5 sulfonic acid, derivs. 36861-47-9 36861-47-9D, derivs. 88122-99-0 92761-26-7D, alkali metal salts 103597-45-1 154702-15-5 187393-00-6				

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic compn. contg. retinoid and silicone benzotriazole)

RETABLE

Referenced Author (RAU)	Year (RPY)	VOL (RVL)	PG (RPG)	Referenced Work (RWK)	Referenced File
Janssen Pharmaceutica N	1994			EP 0609963 A	HCAPLUS
Lang, G	1992			US 5089250 A	HCAPLUS
Shiseido Co Ltd	2000			EP 0985404 A	HCAPLUS

L62 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2002 ACS
AN 2002:314391 HCAPLUS
DN 136:330313

TI Cosmetic composition containing **retinol** and a **UV-a** radiation screening compound

IN **Martin, Guenaelle; Touzan, Philippe**

PA L'oreal, Fr.

SO Eur. Pat. Appl., 12 pp.

CODEN: EPXXDW

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1199066	A1	20020424	EP 2001-402552	20011003 <--
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	FR 2815252	A1	20020419	FR 2000-13285	20001017 <--
	JP 2002167320	A2	20020611	JP 2001-318624	20011016 <--
PRAI	FR 2000-13285	A	20001017 <--		

OS MARPAT 136:330313

AB A cosmetic compn. contg. **retinol** and a **sunscreen** agent, e.g. benzene 1,4-di(3-methylidene-10-camphosulfonic) acid (I), for the prevention or treatment of photo-induced skin ageing is claimed. A cosmetic compn. contained PEG-100 stearate and glyceryl stearate 2.1, Polysorbate-60 0.9, cetyl alc. 2.6, hydrogenated polyisobutene 12, hexyldecanol 8, BHT 0.1, preservatives 0.45, glycerin 3, penta sodium ethylenediamine tetramethylene phosphonic acid 0.07, xanthan gum 0.1, carbomer 0.4, triethanolamine 0.57, I 1, **retinol** I and water q.s. 100%.

IT 68-26-8, **Retinol** 69-72-7D, Salicylic acid, derivs. 79-10-7D, Acrylic acid, di-Ph derivs. 118-56-9, Homomenthyl salicylate 118-60-5, Octyl salicylate 131-57-7, Benzophenone 3 150-13-0D, derivs. 290-87-9D, 1,3,5-Triazine, derivs. 621-82-9D, Cinnamic acid, derivs. 637-12-7, Aluminum stearate 1314-13-2, Zinc oxide, biological studies 1314-23-4, Zirconium oxide, biological studies 1332-37-2, Iron oxide, biological studies 1344-28-1, Alumina, biological studies 4065-45-6, 2-Hydroxy-4-methoxy benzophenone-5 sulfonic acid 5466-77-3, 2-Ethylhexyl p-methoxycinnamate 6197-30-4 11129-18-3, Cerium oxide 13463-67-7, Titanium oxide, biological studies 27503-81-7, 2-Phenylbenzimidazole-5-sulfonic acid 36861-47-9 88122-99-0 103597-45-1 154702-15-5 187393-00-6 191226-60-5

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (cosmetic compn. contg. **retinol** and **UV-a** radiation screening compd.)

RETABLE

Referenced Author (RAU)	Year (RPY)	VOL (RVL)	PG (RPG)	Referenced Work (RWK)	Referenced File
L' Oreal	1995			EP 0641557 A	HCAPLUS
L' Oreal	1995			EP 0671160 A	HCAPLUS
L' Oreal	2000			EP 0972511 A	HCAPLUS
Regents Of The Universi	1998			WO 9855075 A	HCAPLUS

L62 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2002 ACS

AN 2001:50443 HCAPLUS

DN 134:105653

TI **Sunscreens** containing **UV** radiation reflecting or absorbing agents, protecting against harmful **UV** radiation and reinforcing the natural skin barrier

IN Muller, Rainer Helmut; Wissing, Sylvia; Mader, Karsten

PA Pharmasol G.m.b.H., Germany

SO PCT Int. Appl., 55 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001003652	A2	20010118	WO 2000-EP6534	20000710
	WO 2001003652	A3	20010712		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	DE 10016155	A1	20010118	DE 2000-10016155	20000331
	BR 2000012445	A	20020402	BR 2000-12445	20000710
	EP 1194111	A2	20020410	EP 2000-951366	20000710
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			

PRAI DE 1999-19932156 A 19990713

DE 2000-10016155 A 20000331

WO 2000-EP6534 W 20000710

AB The invention concerns **sunscreens**, i.e. **UV** radiation reflecting or absorbing agents, designed to be applied on the skin, the mucous membranes, the scalp and the hair for protection against harmful **UV** radiation and to reinforce the natural skin barrier. The inventive agents comprise polymorphous, cryst. or semicryst. solid polymeric or lipidic particles. Thus, a **UV** blocking lipid emulsion was produced by high-pressure homogenization of 10 wt./wt.% cetyl palmitate and Tego Care 450.

IT **68-26-8, Retinol 118-56-9, Homosalate 118-60-5, 2-Ethylhexylsalicylate 131-57-7, 2-Hydroxy-4-methoxybenzophenone 150-13-0, p-Aminobenzoic acid 1314-13-2, Zinc oxide, biological studies 4065-45-6, Sulisobenzene 5466-77-3, p-Methoxycinnamic acid-2-ethylhexylester 13463-67-7, Titanium dioxide, biological studies 27503-81-7, 2-Phenylbenzimidazole-5-sulfonic acid 36861-47-9, 3-(4-Methylbenzylidene)camphor 88122-99-0, Octyltriazene 92761-26-7, Terephthalylidene-3,3'-dicamphor-10,10'-disulfonic acid**
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (UV radiation reflecting or absorbing agents, protecting against harmful UV radiation and reinforcing natural skin barrier as **sunscreens**)

L62 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2002 ACS

AN 2000:218556 HCAPLUS

DN 132:255780

TI Anti-wrinkle cosmetics containing mixed silicates

IN **Touzan, Philippe**; Delambre, Patricia; Bazan, Roland; Augoux, Sandra

PA L'oreal S. A., Fr.

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI JP 2000095668 A2 20000404 JP 1999-262649 19990916
 FR 2783419 A1 20000324 FR 1998-11689 19980918
 EP 1008340 A2 20000614 EP 1999-401957 19990730
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO
 BR 9903796 A 20000926 BR 1999-3796 19990830
 KR 2000022820 A 20000425 KR 1999-36562 19990831
 CN 1249927 A 20000412 CN 1999-118895 19990917
 PRAI FR 1998-11689 A 19980918
 AB This invention relates to antiwrinkle cosmetic compns. contg. mixed
 silicic acid salts as a skin-tightening agent. Application of an acidic
 soln. contg. 3 % of the silicates, forms a water vapor-permeable film
 which induces > 1.5 % shrinkage of isolated keratin layers at 30.degree.
 and 40 % relative humidity. An anti-wrinkle cream (pH 5.5) contained
 Laponite XLS 5, cetyl alc. 7, paraffin oils 9, diglyceryl stearate 2.5,
 PEG stearate 2.5, Mexoryl SX (**sunscreen**) 0.7, and deionized
 water q.s. to 100 %.
 IT **92761-26-7**, Mexoryl SX
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (anti-wrinkle cosmetics contg. mixed silicates and skin-care agents)

=> fil reg

FILE 'REGISTRY' ENTERED AT 18:02:20 ON 17 JUL 2002
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 16 JUL 2002 HIGHEST RN 439075-98-6
 DICTIONARY FILE UPDATES: 16 JUL 2002 HIGHEST RN 439075-98-6

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
 for more information. See STNote 27, Searching Properties in the CAS
 Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d ide can 134

L34 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
 RN **68-26-8** REGISTRY
 CN **Retinol (9CI)** (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN **Retinol, all-trans- (8CI)**
 OTHER NAMES:
 CN (all-E)-3,7-Dimethyl-9-(2,6,6-trimethyl-1-cyclohexen-1-yl)-2,4,6,8-
 nonatetraen-1-ol
 CN **.beta.-Retinol**
 CN 2,4,6,8-Nonatetraen-1-ol, 3,7-dimethyl-9-(2,6,6-trimethyl-1-cyclohexen-1-
 yl)-, (all-E)-
 CN A-Mulsal
 CN A-Vi-Pel
 CN Acon
 CN Afaxin
 CN Agiolan
 CN Agoncal

CN Alcovit A
CN **all-trans-Retinol**
CN all-trans-Retinyol alcohol
CN **all-trans-Vitamin A**
CN **all-trans-Vitamin A alcohol**
CN all-trans-Vitamin A1
CN Alphalin
CN Alphasterol
CN Anatola
CN Anatola A
CN Anti-Infective vitamin
CN Antixerophthalmic vitamin
CN Aoral
CN Apexol
CN Apostavit
CN Aquasynth
CN Atav
CN Avibon
CN Avita
CN Avitol
CN Axerol
CN Axerophthol
CN Bentavit A
CN Biosterol
CN Cylasphere
CN Disatabs Tabs
CN Dofsol
CN Dohyfral A
CN Epiteliol
CN Hi-A-Vita
CN Lard Factor
CN Myvpack
CN Nio-A-Let
CN **Oleovitamin a**
CN Ophthalmamin
CN Plivit A
CN Prepalin
CN Testavol
CN Thalasphere
CN **trans-Retinol**
CN **trans-Vitamin A alcohol**
CN **Vitamin A**
CN **Vitamin A alcohol**
CN **Vitamin A alcohol, all-trans-**

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY

FS STEREOSEARCH

DR 13123-33-6, 17104-91-5, 5979-23-7

MF C20 H30 O

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES,
DRUGU, EMBASE, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MRCK*,
MSDS-OHS, NAPRALERT, NIOSHTIC, PHAR, PIRA, PROMT, RTECS*, SPECINFO,
SYNTHLINE, TOXCENTER, ULIDAT, USAN, USPAT2, USPATFULL, VETU

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**, WHO

(**Enter CHEMLIST File for up-to-date regulatory information)

Double bond geometry as shown.

CN A 200
 CN A 200 (pigment)
 CN A 330
 CN A 330 (pigment)
 CN A-Fil Cream
 CN A-FN 3
 CN Aerolyst 7710
 CN Aerosil P 25
 CN Aerosil P 25S6
 CN Aerosil P 27
 CN AF-E 3D
 CN AK 15
 CN AK 15 (pigment)
 CN Amperit 780.0
 CN AMT 100
 CN AMT 600
 CN AUF 0015S
 CN Austiox R-CR 3
 CN B 101
 CN B 101 (pigment)
 CN Bayer R-FD 1
 CN Bayertitan A
 CN Bayertitan AN 3
 CN Bayertitan R-FD 1
 CN Bayertitan R-FK 21
 CN Bayertitan R-FK-D
 CN Bayertitan R-KB 2
 CN Bayertitan R-KB 3
 CN Bayertitan R-KB 4
 CN Bayertitan R-KB 5
 CN Bayertitan R-KB 6
 CN Bayertitan R-U 2
 CN Bayertitan R-U-F
 CN Bayertitan R-V-SE 20
 CN Bayertitan T
 CN Bistrater L-NSC 200C
 CN BR 29-7-2
 CN C 97
 CN C 97 (oxide)
 CN C.I. 77891
 CN C.I. Pigment White 6
 CN Cab-O-Ti
 CN CG-T
 CN CL 310

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for DISPLAY

AR 51745-87-0
 DR 12000-59-8, 12701-76-7, 12767-65-6, 12789-63-8, 1309-63-3, 1344-29-2,
 55068-84-3, 55068-85-4, 62338-64-1, 101239-53-6, 98084-96-9, 37230-92-5,
 37230-94-7, 37230-95-8, 37230-96-9, 39320-58-6, 39360-64-0, 39379-02-7,
 116788-85-3, 185323-71-1, 185828-91-5, 188357-76-8, 188357-79-1,
 195740-11-5, 221548-98-7, 224963-00-2, 246178-32-5, 252962-41-7

MF O2 Ti

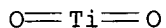
CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,
 CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
 CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*,
 DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT,
 ENCOMPPAT2, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*,
 MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, TOXCENTER, TULSA,
 ULIDAT, USAN, USPAT2, USPATFULL, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



100680 REFERENCES IN FILE CA (1967 TO DATE)
1441 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
100878 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 137:41037
REFERENCE 2: 137:40958
REFERENCE 3: 137:40883
REFERENCE 4: 137:40877
REFERENCE 5: 137:40823
REFERENCE 6: 137:40789
REFERENCE 7: 137:40768
REFERENCE 8: 137:40757
REFERENCE 9: 137:40706
REFERENCE 10: 137:40481

L48 ANSWER 5 OF 21 REGISTRY COPYRIGHT 2002 ACS

RN 11129-18-3 REGISTRY

CN Cerium oxide (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Mirek A

CN U 15

CN U 15 (oxide)

MF Unspecified

CI COM, MAN

LC STN Files: BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CEN,
CHEMLIST, CIN, EMBASE, IFICDB, IFIPAT, IFIUDB, PIRA, PROMT, TOXCENTER,
TULSA, USPAT2, USPATFULL

Other Sources: EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

1875 REFERENCES IN FILE CA (1967 TO DATE)

18 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

1886 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 137:38260
REFERENCE 2: 137:36893
REFERENCE 3: 137:34355
REFERENCE 4: 137:26196
REFERENCE 5: 137:24141
REFERENCE 6: 137:23411
REFERENCE 7: 137:21776

CN A 14
CN A 14 (alumina)
CN A 14C-M
CN A 152SG
CN A 16
CN A 16SG
CN A 16UG
CN A 17
CN A 17NE
CN A 25
CN A 25 (alumina)
CN A 31
CN A 31 (alumina)
CN A 32
CN A 32 (alumina)
CN A 33F
CN A 34
CN A 34 (filler)
CN A 37
CN A 37 (aluminite)
CN A 39SG
CN A 40
CN A 40 (alumina)
CN A 42-1
CN A 42-2
CN A 42-3
CN A 42-6
CN A 43M

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY

DR 170448-81-4, 165390-91-0, 12522-88-2, 12737-16-5, 163581-50-8,
122784-35-4, 127361-04-0, 53809-96-4, 54352-04-4, 131689-14-0,
135667-70-8, 67853-35-4, 67894-14-8, 67894-42-2, 68189-68-4, 68389-42-4,
68389-43-5, 138361-58-7, 76363-81-0, 74871-10-6, 148619-39-0, 152743-26-5,
84149-21-3, 90669-62-8, 39354-49-9, 107462-07-7, 107874-14-6, 157516-29-5,
190401-78-6, 200295-99-4, 205316-36-5, 209552-43-2, 230616-05-4,
252756-35-7, 253606-45-0, 253606-46-1, 253606-47-2, 268724-08-9,
334869-46-4

MF A12 O3

CI COM, MAN

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,
CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*,
DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT,
ENCOMPPAT2, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*,
MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, TOXCENTER, TULSA,
ULIDAT, USPAT2, USPATFULL, VETU, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

180827 REFERENCES IN FILE CA (1967 TO DATE)

1849 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

181144 REFERENCES IN FILE CAPLUS (1967 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 137:41037

REFERENCE 2: 137:40972

REFERENCE 3: 137:40964

REFERENCE 4: 137:40962
REFERENCE 5: 137:40955
REFERENCE 6: 137:40760
REFERENCE 7: 137:40754
REFERENCE 8: 137:40744
REFERENCE 9: 137:40741
REFERENCE 10: 137:40729

L48 ANSWER 10 OF 21 REGISTRY COPYRIGHT 2002 ACS

RN 1332-37-2 REGISTRY

CN Iron oxide (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN AM 125

CN Ancor FR

CN Ancor FY

CN Auvico AX 1000

CN AX 1000

CN BUS

CN EP-A 0014382

CN Gastromark

CN Lautamasse

CN Luxmasse

CN Magnet Black S 0045

CN MAP 514

CN MIO 2F

CN MIO 40GN

CN MIO-KS

CN MION 46L

CN NAT

CN NYB 40

CN Prodorite Filler

CN R 2899HP

CN R 8098

CN SE-DBS

CN Siferrit

CN TAN 20A

CN Tarox LL 50

CN TIC

CN Toda Color 100ED-PR101

CN Toda Color 160ED

DR 8075-66-9

MF Unspecified

CI COM, MAN

LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,
CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CHEMSAFE, CIN, CSCHEM,
CSNB, DIOGENES, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2,
IFICDB, IFIPAT, IFIUDB, MSDS-OHS, NIOSHTIC, PIRA, PROMT, TOXCENTER,
TULSA, USPAT2, USPATFULL, VTB

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

13860 REFERENCES IN FILE CA (1967 TO DATE)

224 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

13883 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 137:38664

REFERENCE 2: 137:37405
REFERENCE 3: 137:37339
REFERENCE 4: 137:37293
REFERENCE 5: 137:36700
REFERENCE 6: 137:36618
REFERENCE 7: 137:35987
REFERENCE 8: 137:35942
REFERENCE 9: 137:35780
REFERENCE 10: 137:35460

L48 ANSWER 11 OF 21 REGISTRY COPYRIGHT 2002 ACS
RN 1314-23-4 REGISTRY
CN Zirconium oxide (ZrO2) (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 9MG
CN 9MG (oxide)
CN AZS-A
CN AZS-B
CN AZS-NB
CN BR 90G
CN C.I. 77990
CN C.I. Pigment White 12
CN CAP
CN CAP (oxide)
CN CC 10
CN CF Super HM
CN Dynazircon F 5Y
CN E 101
CN E 101 (oxide)
CN Fianit
CN KZ-OY-LF
CN Mel E 101
CN Mel-S
CN Metco 201NS
CN Nissan Zirconia Sol NZS 20A
CN Norton 9839
CN Nyacol Zr (acetate)
CN Nyacol ZR 10/20
CN Nyacol Zr 100/20
CN Nyacol Zr 50/20
CN NZ-A
CN NZ-A (oxide)
CN NZS 20A
CN NZS 20A3Y
CN NZS 30
CN NZS 30A
CN NZS 30B
CN OZC 12CEB
CN PCS
CN PCS (filler)
CN PD 39
CN Pigment White 12
CN Prozyr
CN RZ 8C325F

CN Slurry 9839
CN SPZ
CN SPZ (oxide)
CN Torayceram Sol ZS-OA
CN TZ 0
CN TZ 3YTSK
CN XZ 16052
CN Z 999-1
CN Z 999-2
CN ZD 100

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY

AR 53801-45-9
DR 12627-76-8, 10377-99-8, 129774-17-0, 112414-85-4, 73649-21-5
MF O2 Zr
CI COM
LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,
CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX,
CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES, DRUGU, EMBASE,
ENCOMPLIT, ENCOMPLIT2, ENCOMPAT, ENCOMPAT2, IFICDB, IFIPAT, IFIUDB,
IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, TOXCENTER,
TULSA, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

O==Zr==O

66940 REFERENCES IN FILE CA (1967 TO DATE)
1642 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
67047 REFERENCES IN FILE CAPLUS (1967 TO DATE)
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 137:41037
REFERENCE 2: 137:40962
REFERENCE 3: 137:40885
REFERENCE 4: 137:40823
REFERENCE 5: 137:40743
REFERENCE 6: 137:40481
REFERENCE 7: 137:40447
REFERENCE 8: 137:40431
REFERENCE 9: 137:40423
REFERENCE 10: 137:40422

L48 ANSWER 12 OF 21 REGISTRY COPYRIGHT 2002 ACS
RN 1314-13-2 REGISTRY
CN Zinc oxide (ZnO) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 503R
CN 720C
CN Actox 14
CN Actox 16

CN Actox 216
CN AEE-Zn 601
CN Amalox
CN AZ-SW
CN AZO
CN AZO 22
CN AZO 55
CN AZO 66
CN AZO 77
CN Azo-B
CN Azodox
CN Biocide 3000D
CN BTs 1
CN BTs 1 (pigment)
CN C 30
CN C 30 (oxide)
CN Conductive Zinc Oxide No. 1
CN Electrox 2500
CN Elma 21
CN Elma 215
CN F 60
CN F 60 (antimicrobial)
CN FC-MI-W
CN Finex 25
CN Finex 50
CN Finex 75
CN FINX 75
CN Flowers of zinc
CN FO 1020A
CN FX
CN FX (oxide)
CN FX-UFZ-D
CN GIAP 10
CN Green Seal 8
CN Hubbuck's White
CN K-Fresh MZO
CN Kadox 15
CN Kadox 25
CN Kadox 515
CN Kadox 72
CN Kadox 911
CN Kadox 920
CN Kadox 930
CN Kadox XX 78
CN LPZIN 8
CN Luxelen FZT 200

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY

DR 8011-84-5, 8047-36-7, 8047-69-6, 8050-42-8, 8051-03-4, 56592-00-8,
57206-86-7, 185461-95-4

MF O Zn

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,
CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*,
DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT,
ENCOMPPAT2, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*,
MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, TOXCENTER, TULSA,
ULIDAT, USAN, USPAT2, USPATFULL, VETU, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

O== Zn

55184 REFERENCES IN FILE CA (1967 TO DATE)
656 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
55273 REFERENCES IN FILE CAPLUS (1967 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 137:40958
REFERENCE 2: 137:40563
REFERENCE 3: 137:40447
REFERENCE 4: 137:40304
REFERENCE 5: 137:40283
REFERENCE 6: 137:40191
REFERENCE 7: 137:40144
REFERENCE 8: 137:40100
REFERENCE 9: 137:40099
REFERENCE 10: 137:40057

L48 ANSWER 13 OF 21 REGISTRY COPYRIGHT 2002 ACS

RN 637-12-7 REGISTRY

CN Octadecanoic acid, aluminum salt (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Aluminum stearate (6CI)

CN Stearic acid, aluminum salt (8CI)

OTHER NAMES:

CN Alugel 30DF

CN Alugel 34TN

CN Alugel 44M

CN Aluminium stearate

CN Aluminum stearate (1:3)

CN Aluminum tristearate

CN Aluminum(III) stearate

CN Metasap XX

CN Rofob 3

CN SA 1000

CN SA 1500

CN SA 2000

CN Thompson's Water Seal

CN Tribasic aluminum stearate

DR 65324-35-8

MF C18 H36 O2 . 1/3 Al

CI COM

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN,
CSCHEM, DDFU, DETHERM*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT,
ENCOMPPAT2, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MRCK*, MSDS-OHS,
NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, TULSA, USPAT2,
USPATFULL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

CRN (57-11-4)

REFERENCE 8: 136:345488

REFERENCE 9: 136:345476

REFERENCE 10: 136:330313

L48 ANSWER 20 OF 21 REGISTRY COPYRIGHT 2002 ACS

RN 79-10-7 REGISTRY

CN 2-Propenoic acid (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Acrylic acid (6CI, 7CI, 8CI)

OTHER NAMES:

CN Acroleic acid

CN Ethylenecarboxylic acid

CN Propenoic acid

CN Vinylformic acid

FS 3D CONCORD

DR 55927-87-2

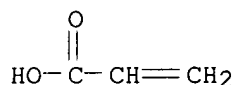
MF C3 H4 O2

CI COM

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN,
CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*,
DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT,
ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA,
MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*,
SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

24950 REFERENCES IN FILE CA (1967 TO DATE)

15538 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

25005 REFERENCES IN FILE CAPLUS (1967 TO DATE)

3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 137:39371

REFERENCE 2: 137:39321

REFERENCE 3: 137:38903

REFERENCE 4: 137:37730

REFERENCE 5: 137:37711

REFERENCE 6: 137:37641

REFERENCE 7: 137:37389

REFERENCE 8: 137:36936

REFERENCE 9: 137:36923

REFERENCE 10: 137:36721

L48 ANSWER 21 OF 21 REGISTRY COPYRIGHT 2002 ACS

RN 69-72-7 REGISTRY

CN Benzoic acid, 2-hydroxy- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Salicylic acid (6CI, 8CI)

OTHER NAMES:

CN 2-Carboxyphenol

CN 2-Hydroxybenzenecarboxylic acid

CN 2-Hydroxybenzoic acid

CN 9: PN: WO0198479 PAGE: 50 claimed sequence

CN o-Carboxyphenol

CN o-Hydroxybenzoic acid

CN Phenol-2-carboxylic acid

CN Psoriacid-S-Stift

CN Retarder W

CN Rutranex

CN Salicylic acid collodion

CN Salonil

FS 3D CONCORD

DR 7681-06-3, 8052-31-1

MF C7 H6 O3

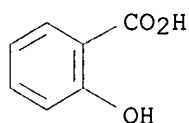
CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VETU, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

16555 REFERENCES IN FILE CA (1967 TO DATE)

2172 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

16593 REFERENCES IN FILE CAPLUS (1967 TO DATE)

7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 137:41006

REFERENCE 2: 137:40135

REFERENCE 3: 137:39291

REFERENCE 4: 137:39092

REFERENCE 5: 137:38166

REFERENCE 6: 137:37988

REFERENCE 7: 137:37759
REFERENCE 8: 137:37685
REFERENCE 9: 137:37675
REFERENCE 10: 137:37660